

CLAIMS

1. (Previously presented) A polling method for use in communicating information by a wireless transceiver unit to a wireless base unit, the wireless transceiver unit and the wireless base unit being configured to communicate over a wireless control channel and a wireless voice traffic channel, the polling method comprising:

receiving an information request message at the wireless transceiver unit over the wireless control channel;

in response to the information request message, sending call record information related to usage of the wireless voice traffic channel from the wireless transceiver unit to the wireless base unit over the wireless control channel; and

repeating the receiving and sending on a regular basis.

2. (Original) The polling method according to claim 1, further comprising:

initiating the repeated receiving and sending in response to a detected problem.

3. (Previously presented) The polling method according to claim 1, further comprising:

detecting a problem at the wireless transceiver unit;

in response to detecting the problem, sending a problem detection message from the at the wireless transceiver unit to the wireless base unit; and

initiating the repeated receiving and sending in response to the problem detection message.

4. (Previously presented) The polling method according to claim 1, wherein the wireless transceiver unit and the wireless base unit are further configured to communicate over a wireless data traffic channel, the method further comprising:

detecting a communication failure on the wireless data traffic channel; and

initiating the repeated receiving and sending in response to detecting the communication failure.

5. (Original) The polling method according to claim 1, further comprising:

detecting that a power failure has occurred; and

initiating the repeated receiving and sending in response to detecting that the power failure has occurred.

6. (Previously presented) The polling method according to claim 1, further comprising:

delaying a random period of time prior to sending the call record information.

7. (Previously presented) The polling method according to claim 1, wherein sending comprises sending the call record information over a shared wireless control channel, the polling method further comprising:

delaying a random period of time prior to sending the call record information over the shared wireless control channel.

8. (Previously presented) The polling method according to claim 1, wherein the information request message comprises data indicative of a requested call record information type and the call record information sent corresponds to the requested call record information type.

9. (Previously presented) A polling method for use in communicating information from a wireless transceiver unit to a wireless base unit, the wireless transceiver unit and the wireless base unit being capable of communication over a wireless control channel and a wireless voice traffic channel, the polling method comprising:

sending an information request message from the wireless base unit to the wireless transceiver unit over a wireless communication channel, the information request message requesting call record information related to usage of the wireless voice traffic channel;

at the wireless base unit, receiving call record information from the wireless transceiver unit over the wireless control channel in response to the information request message; and

repeating the sending and receiving on a regular basis.

10. (Original) The polling method according to claim 9, further comprising:

initiating the repeated sending and receiving in response to a detected problem.

11. (Previously presented) The polling method according to claim 9, further comprising:

receiving a problem detection message at the wireless base unit from the wireless transceiver unit; and

initiating the repeated receiving and sending in response to the problem detection message.

12. (Previously presented) The polling method according to claim 9, wherein the wireless transceiver unit and the wireless base unit are further configured to communicate over a wireless data traffic channel, the method further comprising:

detecting a communication failure on the wireless data traffic channel; and

initiating the repeated receiving and sending in response to detecting the communication failure.

13. (Previously presented) The polling method according to claim 9, wherein the wireless transceiver unit and the wireless base unit are further configured to communicate over a wireless data traffic channel, the method further comprising:

detecting a communication failure on the wireless data traffic channel;
tearing down the wireless data traffic channel but not the wireless voice traffic channel after detecting the communication failure; and
initiating the repeated receiving and sending in response to detecting the communication failure.

14. (Original) The polling method according to claim 9, further comprising:
detecting that a power failure has occurred; and
initiating the repeated receiving and sending in response to detecting that the power failure has occurred.

15. (Previously presented) The polling method according to claim 9, wherein sending the information request message comprises broadcasting it for receipt by a plurality of wireless transceiver units, the polling method further comprising:
receiving the call record information from each one of the wireless transceiver units at random points in time.

16. (Previously presented) The polling method according to claim 9, wherein sending the information request message comprises broadcasting it for receipt by a plurality of wireless transceiver units, the polling method further comprising:
receiving call record information from each one of the wireless transceiver units at random points in time over a shared wireless control channel.

17. (Previously presented) The polling method according to claim 9, wherein the information request message comprises data indicative of a requested call record information type and the call record information sent corresponds to the requested information type.

18.-25. (Cancelled)

26. (Withdrawn) A polling method for use in communicating information from a plurality of wireless transceiver units to a wireless base unit, the wireless transceiver units and wireless base unit having a voice traffic channel and a broadcast channel available there between, the polling method comprising:

- selecting a call record type or a configuration type;
- constructing an information request message of the selected type;
- sending the information request message over a broadcast channel for receipt by a plurality of wireless transceiver units; and
- receiving information of the selected type from each available wireless transceiver unit at random points in time over a shared channel in response to sending the information request message.

27. (Withdrawn) The polling method according to claim 26, wherein the information further comprises status information.

28. (Withdrawn) The polling method according to claim 26, further comprising:

- repeating the sending and receiving on a periodic basis.

29. (Withdrawn) A polling method for use in communicating information from a wireless transceiver unit to a wireless base unit, the polling method comprising:

- receiving an information request message requesting information having a call record type or a configuration type over a broadcast channel;
- delaying for a random period of time in response to receiving the information request message; and
- sending information of the type requested by the information request message over a shared channel after delaying for the random period of time.

30. (Withdrawn) The polling method according to claim 29, wherein the information further comprises status information.

31. (Withdrawn) The polling method according to claim 29, further comprising: repeating the receiving, delaying, and sending on a periodic basis.